

A B S T R A C T

1 The invention relates to a machine (1) for grinding the
blades of a turbine rotor (2) or a compressor. The
inventive machine consists of a rotary head (6) which is
5 provided with two different grinding wheels (7, 7') for
grinding the rotors (2), three carriages (8, 9, 10) of
the head which are used for the linear and angular
movement thereof, a machine control unit (16) comprising
a numerical control (CNC) which is used to calculate the
10 grinding position of each grinding wheel, an optical
sensor (19) which is used to measure the radius R of the
blades and a device (12, 13) for the individual shaping
of each grinding wheel which is supported on a carriage
(14, 15) with means for the linear movement thereof (U,
15 C) and which operates automatically during the grinding
process without altering the position of the grinding
wheel.

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